

20020102.ba v03_n274.bam.20020102

>From ???@??? Wed Jan 2 17:11:29 2002 -0600
Message-Id: <200201022311.g02NB48f003253@sco.theporch.com>
Date: Wed, 2 Jan 2002 23:09:01 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3274

BOATANCHORS Digest 3274

Topics covered in this issue include:

- 1) Cool QSLs
by David Stinson <arc5@ix.netcom.com>
- 2) wtb: any books or manuals for MPQ-1 Military equipment
by "ed sharpe" <esharpe@uswest.net>
- 3) Looking For Some NC-300 Stuff
by WA1KBQ@aol.com
- 4) ARB parts wanted
by BEN NOCK <G4BXD@compuserve.com>
- 5) RE: flying boatanchor
by "R. W. Downs - BLB, AL" <RWDowns_WA5CAB@compuserve.com>
- 6) ADMINISTRIVIA: Buying and Selling Guidelines
by listown@nanniandjack.com (Mail List Owner)
- 7) Finally found 32V grid current leak
by john <johnmb@nc.rr.com>
- 8) Re: Finally found 32V grid current leak
by Henry van Cleef <vancleef@eskimo.com>
- 9) Re: Finally found 32V grid current leak
by john <johnmb@nc.rr.com>
- 10) Re: Finally found 32V grid current leak
by Arden Allen <gumbear@pacbell.net>
- 11) Hammarlund! A one hour trip + 4 hour visit+tour = Pro-310
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 12) Fw: Source for Bird Termaline Oil?
by "JAMES T HANLON" <knjhanlon@email.msn.com>
- 13) Fw: Hammarlund! A one hour trip + 4 hour visit+tour = Pro-310
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 14) Cleaning wafer switches
by "John Gibson" <gibsonj@mindspring.com>
- 15) RE: Cleaning wafer switches
by "Jim Berry" <basalop@gte.net>
- 16) Re: Fw: Source for Bird Termaline Oil?
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 17) RE: Cleaning wafer switches
by "Shriver, John" <john.shriver@intel.com>
- 18) Re: Cleaning wafer switches

by Norm Flasch <flasch@cushy.ece.nwu.edu>
19) Re: Cleaning wafer switches
by Bruce Muscolino <w6toy@erols.com>
20) RE: Cleaning wafer switches
by "Richard W. Solomon" <w1kszt@tiac.net>

Message-ID: <3C2FB657.E9D2B775@ix.netcom.com>
Date: Sun, 30 Dec 2001 18:50:31 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Cool QSLs
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I came into a very large collection of QSLs.
Dated from the return to the air
at the end of WW2 (1946) up to 1997.
I've gone through the first *thousand*
(yep- 1000- there's about 2200 of them).
I posted some of the ones I thought creative, original or
pretty etc., on alt.binaries.pictures.radio. Enjoy.
Wonder what neat ones will be in the next thousand?

Date: Sat, 29 Dec 2001 22:00:47 -0700
Message-ID: <012801c190ee\$f31f5e60\$0100a8c0@smeccxp>
From: "ed sharpe" <esharpe@uswest.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: wtb: any books or manuals for MPQ-1 Military equipment
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

wtb: any books or manuals for MPQ-1 Military equipment
... or manuals for MPQ-1 Military equipment see museum's website at
www.smecc.org please
respond off list will cash or trade! thanks ed sharpe archivist for smecc

Ed Sharpe Archivist for SMECC

see the museum at:
<http://www.smecc.org>

From: WA1KBQ@aol.com

Message-ID: <105.ed25195.296284f2@aol.com>
Date: Mon, 31 Dec 2001 22:20:18 EST
Subject: Looking For Some NC-300 Stuff
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello fellow BA devotees, I am putting out a general call for help in finding anyone who has a National NC-300 parts set. Help me get this 300 back together for a worthy cause and raise some cash from that parts unit. I am looking for the following:

- 1) Audio output transformer (original preferred)
- 2) AF Gain control (has special switch that functions on both sides of pot swing)
- 3) Dial pointer
- 4) Bright decorative trim strips with retaining clips for cabinet sides

I am going through the NC-300 here to be a part of the special event station at the upcoming March 2002 CC-AWA antique radio meet in Charlotte. I have the set apart now doing all the things we usually find necessary to return the set to active reliable duty. The above parts are either missing, broken or in the case of the audio transformer and AF gain control, incorrect improperly fitting parts were kluged in sometime in a past repair and I would like the job to be a little better.

Thanks for the read,
Greg Gore; WA1KBQ

Date: Tue, 1 Jan 2002 09:06:00 -0500
From: BEN NOCK <G4BXD@compuserve.com>
Subject: ARB parts wanted
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200201010906_MC3-EC45-1F38@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

I need the dial cover, triangular in shape, for the ARB =
receiver. I would also like to find the correct tuning =
housing, knob or connectors for this set. =

If anyone can help I'd be most obliged. =

Ben G4BXD
G4BXD@qsl.net

Date: Tue, 1 Jan 2002 09:38:29 -0500
From: "R. W. Downs - BLB, AL" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: flying boatanchor
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200201010938_MC3-EC69-8C08@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Yep, BUFF uber alles.

>
<http://www.fastcompany.com/online/54/B52.html>
<

73
Robert W. Downs
<rwdowns_wa5cab@compuserve.com>
Houston, TX/Bayou LaBatre, AL

Message-Id: <200201011915.g01JF5JU023407@osr506.nanniandjack.com>
From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Buying and Selling Guidelines
Date: Tue, 1 Jan 2002 11:15:00 -0800 (PST)

Gang-

This periodic posting is intended as a gentle nudge and suggestion which should improve the quality of posts to the BoatAnchors list, and maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted" posts. Originally, all buying and selling traffic was focused on finding parts to complete a restoration. As the list has evolved, there has been an increase in buying and selling activity, which may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

There is never a reason for an auction post or update on the Boatanchors List... comments about gear at auction elsewhere are noise, and those who would care already visit the auction sites, and those who do not frequent the auctions do not want to hear about it... simple policy -- keep this off the list!

- 1) LIMIT the frequency of for sale postings... once a month is a good starting point
- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!
- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to observe these basics *will* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!
- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:
listown@nanniandjack.com
so they may be uploaded to the archives for email, web, or ftp retrieval.
- 6) We now have a web page up. Go to:
<http://www.theporch.com>
and follow the "ListProc Web Interface" Link to get registered and use the web interface, which allows searching of previous articles and the archived text files.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Tue Jan 1 11:15:00 PST 2002

Message-Id: <3.0.3.32.20020101142843.01901128@pop-server.nc.rr.com>
Date: Tue, 01 Jan 2002 14:28:43 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Finally found 32V grid current leak
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

...I may not be smart, but I'm persistent.

My 32V2 had developed a sudden condition of very low grid current on all bands.

After many many dead ends, I found that C128 (.01uF cathode bypass of the 3rd multiplier) was resistive.

This makes two bad mica caps I've found in Collins gear (the other, a leaky one in my 75A4). I've never found another bad mica cap in any other equipment...odd.

Replacing it with a poly unit restores grid current from 1mA back to about 15.

Now I can put this horse back in the case (AGAIN!) and enjoy it with its twin 75A1.

Happy New Years all, and thanks to all who sent suggestions.

73

John wb5oau/4

From: Henry van Cleef <vancleef@eskimo.com>
Message-Id: <200201012042.MAA16583@eskimo.com>
Subject: Re: Finally found 32V grid current leak
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 1 Jan 2002 13:42:57 -0700 (MST)
Cc: boatanchors@theporch.com (Old Tube Radios)

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The esteemed john has said:

>
> ...I may not be smart, but I'm persistant.
>
> My 32V2 had developed a sudden condition of very low grid current on all
> bands.
>
> After many many dead ends, I found that C128 (.01uF cathode bypass
> of the 3rd multiplier) was resistive.
>
> This makes two bad mica caps I've found in Collins gear (the other, a leaky
> one in my 75A4). I've never found another bad mica cap in any other
> equipment...odd.
>

John, the postage stamp caps over 1000 pf. aren't mica, they're encapsulated paper, and I've been surprised at how many of these have been in trouble where I've done some serious checking. They don't seem to swallow RF well---I've seen some serious leakage in shunt-fed transmitter plate tanks where these were used.

I used to think that postage stamp caps were bulletproof, but after spending days tracking down a nasty parasitic in an old Magnavox receiver that turned out to be a bad postage stamp cap in a parasitic supressor---and doing 100% replacement of leaky postage stamp caps in a couple of Meissner Signal Shifters and an RME VHF-152, I've learned not to trust them.

Hank

--

Hank van Cleef
1986 420SEL

Message-Id: <3.0.3.32.20020101171953.018f6a34@pop-server.nc.rr.com>
Date: Tue, 01 Jan 2002 17:19:53 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Finally found 32V grid current leak
Cc: boatanchors@theporch.com (Old Tube Radios)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Hank

Well, that may be. Collins calls them mica in the manual, and they are SO far buried under the ganged bandswitch, they're impossible to actually remove to tell exactly what they are. Fortunately small poly units can be tacked in without much trouble.

If they are indeed paper, shame on Collins for burying a low reliability part in a totally unserviceable area...and there's a whole string of 'em buried back there where you cant get to without removing the bandswitch.

The 32V is the most unfriendly transmitter I've worked on, as far as serviceability. Heath and Johnson stuff is a breeze by comparison.

The final product is handsome though:

<http://www.old-radios.com/pics/pictures.html>

Thanks for all who sent help!
John

At 01:42 PM 1/1/02 -0700, Henry van Cleef wrote:

>The esteemed john has said:

>>

>> ...I may not be smart, but I'm persistant.

>>

>> My 32V2 had developed a sudden condition of very low grid current on all
>> bands.

>>

>> After many many dead ends, I found that C128 (.01uF cathode bypass
>> of the 3rd multiplier) was resistive.

>>

>> This makes two bad mica caps I've found in Collins gear (the other, a leaky
>> one in my 75A4). I've never found another bad mica cap in any other
>> equipment...odd.

>>

>John, the postage stamp caps over 1000 pf. aren't mica, they're
>encapsulated paper, and I've been surprised at how many of these have
>been in trouble where I've done some serious checking. They don't
>seem to swallow RF well---I've seen some serious leakage in shunt-fed
>transmitter plate tanks where these were used.

>

>I used to think that postage stamp caps were bulletproof, but after
>spending days tracking down a nasty parasitic in an old Magnavox
>receiver that turned out to be a bad postage stamp cap in a parasitic
>supressor---and doing 100% replacement of leaky postage stamp caps in
>a couple of Meissner Signal Shifters and an RME VHF-152, I've learned
>not to trust them.

>

>Hank
>
>--
>Hank van Cleef
>1986 420SEL
>

Date: Tue, 01 Jan 2002 15:10:32 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Finally found 32V grid current leak
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GPA00K9X8F5L3@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi John;

>
> After many many dead ends, I found that C128 (.01uF cathode bypass
> of the 3rd multiplier) was resistive.
>
> This makes two bad mica caps I've found in Collins gear (the other, a
leaky
> one in my 75A4). I've never found another bad mica cap in any other
> equipment...odd.

Bad mica caps in old equipment is not so unusual. It's the way the bad ones go bad that makes it seem unusual. Paper and Mica caps are completely different animals.

Paper caps suffer from, like we because of our genes, a predetermined lifespan. The engineers who designed them probably didn't know how long they would last but we now know that paper caps gradually fail because of their insulation's inherent chemistry that is activated by the passage of time and the influences of temperature, humidity, and electrical stress. That's why one leaky paper cap in a BA is usually a sign that others are also going bad in the same rig. The chemistry I refer to has been well explained by Barry Ornitz in past postings of his on the subject.

Mica caps use mica as their insulation, a material that has the longevity of the rocks, of which it is one. So why do they go bad? It's the connection mechanism that goes bad. The mica sheaths that comprise the capacitive stack are silver plated and then clamped together with brass clips that also provide connection to the silver plating. A very simple and appropriate method for producing an economical component. The assembly is then molded in plastic to keep out moisture, the deadly enemy of that

delicate connection mechanism. Unfortunately water is very persistent, being Nature's premier solvent, and those caps that fail to keep out the water eventually fail from resistive, intermittent connectivity and in some cases dead shorts due to the growth of silver dendrites (whiskers) across the opposing layers. The occurrence of a bad silver mica cap in a BA is not a good indication of more bad caps in the same rig. The good ones will check out like newly manufactured caps. Certainly, it would be a great waste to replace good caps that are as difficult to find today as some mica types.

> Replacing it with a poly unit restores grid current from 1mA back to
> about 15.

Just keep in mind, mica caps are used in electronics primarily because of their stability of capacitance with respect to temperature and voltage change. Some "Poly" caps are not suitable replacements for micas. In those applications only another mica or temperature/voltage stable ceramic is a suitable replacement.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <5.1.0.14.0.20020101105554.01d29d00@postoffice.worldnet.att.net>
Date: Tue, 01 Jan 2002 12:04:46 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: Hammarlund! A one hour trip + 4 hour visit+tour = Pro-310
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

A one hour trip + 4 hour visit/tour = Hammarlund Pro-310 and more (back at home).

To all,

I received a telephone call on Sunday from a non-ham who had a ham receiver for sale, and a few other radios (home types). As I was returning to work on Wednesday, I suggested I run over on Monday at noon and pick it up. He was about one hour away, and I figured an hour over, an hour there max, and an hour back home. I would be home by 3 p.m. - plenty of time.... Sherry won't even miss me.... She's going shopping with my daughter (usually a 4-6 hour thing that I refuse to participate in.).... wow, what an opportunity..... or so I thought.

Well I got caught, because I didn't get home until after 6 p.m., more than 1/2 hour late for the family New-Year's dinner. Here's how it happened.

The problem stems from the 4-hour tour at this guys house. He didn't want to talk "radio sale" until after his guided tour through about 1/2 acre of heated out buildings.

I visited fire engine stuff, old cars, old tractors, steam engines, (his 25 foot trailer loaded with gasoline generators, lights, whistles, "Rube Goldberg" plumbing, a fake 1000 pound steam gage indicating imminent catastrophe , a steam boiler with 6 hour water supply, model and full size steam engines, gasoline engines, etc. - all running), more hit-or-miss engines, his steam gage and valve collection, general antiques, lumber piles, steel piles, several home made trailer inspections (they were really nice), his inventions!, and more of his inventions? ...

But in all, he was really neat. He's in his 70's, in great shape and very interesting. All of his engines ran, all their batteries were charged up, and he proved they all ran, over and over again.

So later, after a nice cup of Hot Chocolate and conversation while his wife played the 1895 parlor-organ for us, he was ready to talk prices.

I finally got the Pro-310. It has a replacement audio xfmr. The sides are scraped up with big chunks of missing paint. No major dents anywhere. The paint on the top is 90+% OK and the front panel is 97+% OK. One dial cord is off the pulleys, (didn't check it yet.) The sides should repaint OK, if I can match the color. That baby weighs 65#. I wouldn't want to hoof it too far, or up too many steps.

The serial is 700 (something) of only 1000 made. So this one should have had the kinks worked out by Hammarlund mfg.

He said he bought it at an estate auction about 10-15 years ago in Asbury Park, NJ. The original ham's call is penciled inside, on the turret chassis top. It was the only ham piece he owned.

It came with no speaker, but a few years ago I bought one at a hamfest near Boston for \$10. It was the only thing worth buying that day. Then I'm told the speakers are extremely rare. So now, more than ever, I guess it was a good day - back then. It was a good day yesterday too, except for the hot tongue and cold shoulder I received at home. :-)

Happy New Year everybody!

73' John, K2TQN

PS: I'm going back soon for another visit and a second tour. Maybe I'll take Sherry with me this time, and buy dinner on the way home. That should work.

Message-ID: <001801c19320\$cbAAF5e0\$ef95e0cf@jameshan>
From: "JAMES T HANLON" <knjhanlon@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <FMichaelLangner@cs.com>
Subject: Fw: Source for Bird Termaline Oil?
Date: Tue, 1 Jan 2002 17:02:37 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd appreciate it if someone could answer my friend's question. Please reply directly to him.

Thanks,

Jim, W8KGI

----- Original Message -----

From: FMichaelLangner@cs.com
To: w8kgi@arrl.net
Sent: Monday, December 31, 2001 4:02 PM
Subject: Source for Bird Termaline Oil?

Hi Jim --

I continue to very much enjoy your writing for Electric Radio, and wonder if I could ask you a "I wonder where I can get some of" question.

Oil for my kilowatt Bird Termaline. I have a 500 watt "dry" load, and a 1000 watt oil-filled "wet" load. They're both genuine Bird Termalines.

Since I got a Ten-Tec Centurion kilowatt amplifier for Christmas, I'd like to be able to run the kW into the load knowing that part of its resistor isn't exposed without coolant. I know where to buy the stuff by the gallon (at \$45 per) but have no idea where to get a pint or so -- or what might be a fully compatible chemical. Drugstore mineral oil? I'm hesitant to just "mix something with what's in there" as that could be a really bad idea.

Any guidance on this one?

Thanks, Jim!

73 and Happy New Year!

Mike/
K5MGR

Message-ID: <001201c19324\$5e9c6ca0\$37b0e2d1@b1yhp64>
From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: Hammarlund! A one hour trip + 4 hour visit+tour = Pro-310
Date: Tue, 1 Jan 2002 19:26:52 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bonsoir John
Your description of your trip is the same as for the Bikini.
What it shows is good but what it hide's is even better.
You don't mention what you paid for it.:-)
Best Wishes to All
Andre

Date: Wed, 02 Jan 2002 07:59:54 -0800
Subject: Cleaning wafer switches
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Message-Id: <E16LnoE-0003Bh-00@hall.mail.mindspring.net>

I was reading a 1939 Wireless World and came across a note by a Yaxley switch engineer. He said that if you ever clean a wafer switch with solvent, it is essential to relube the contacts or the silver plating will rapidly wear through and the switch will become noisy. He recommended lanolin. Perhaps there is a modern equivalent lubricant.

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Cleaning wafer switches
Date: Wed, 2 Jan 2002 11:41:58 -0800
Message-ID: <000901c193c5\$8af46f40\$bc020f3f@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I notice in all my WWII Navy radio manuals, that it states, if you do have to clean a switch, to relube it using lanolin. Now days, I would think you use something more modern. Craig Industries has a whole line of switch cleaners, and lubes, that are used now in place of the lanolin. They do have a website.

For a cleaner, they used to use carbon tetrachloride (SP) That stuff is a super cleaner, but I do not think you can get it anymore. It can really be rough on the user. It actually can cause all kinds of problems to us humans. It is quite dangerous actually, and probably eats up the new plastics also.

73 Jim K7SLI

> -----Original Message-----
> [mailto:owner-boatanchors@theporch.com]On Behalf Of John Gibson
>
> I was reading a 1939 Wireless World and came across a
> note
> said that if you ever clean a wafer switch with solvent,
> it is essential to relube the contacts or the silver
> plating will rapidly wear through and the switch will become noisy.
> He recommended lanolin. Perhaps there is a modern equivalent
lubricant.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.311 / Virus Database: 172 - Release Date: 12/27/2001

Date: Wed, 2 Jan 2002 16:05:04 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200201022105.QAA28214@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: FMichaelLangner@cs.com
Subject: Re: Fw: Source for Bird Termaline Oil?

Drug store, OK. Heath & Denton both spec'd drug-store mineral oil. Stuff's apparently chemically inert since paint-codes on interior resistors remain after decades of immersed use.

Remember buying 8 pints once @ nearby store & cashier, who I knew, said "Marty put that stuff back & go call a doctor"

'rm

Message-ID: <C703B434E680D511BDFD0002A507069602978F45@hdsmsx101.hd.intel.com>
From: "Shriver, John" <john.shriver@intel.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Cleaning wafer switches
Date: Wed, 2 Jan 2002 13:10:00 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

It's Caig Industries. <http://www.caig.com>. Lots of folks use their products, including Tektronix, who used to have lots of switches in their products. (Sigh.)

I think the active ingredient is palm oil. (The magic ingredient of Crisco.) Ingredients aren't listed on the MSDS sheets.

> -----Original Message-----
> From: Jim Berry [mailto:basalop@gte.net]
> Sent: Wednesday, January 02, 2002 2:42 PM
> To: Old Tube Radios
> Subject: RE: Cleaning wafer switches
>
> Craig Industries has a
> whole line of switch cleaners, and lubes, that are used now in place
> of the lanolin. They do have a website.
>

From: Norm Flasch <flasch@cushy.ece.nwu.edu>
Message-Id: <200201022132.PAA10029@cushy.ece.nwu.edu>
Subject: Re: Cleaning wafer switches
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 2 Jan 2002 15:32:53 -0600 (CST)
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=US-ASCII

I agree fully. If you're looking for a superior lubricant, use Caig CaiLube MCL on those switches and potentiometers. Sticky locks? Nothing works better. Our sliding screen door now rides on silk since I sprayed the nylon rollers with it. Amazing stuff.

> It's Caig Industries. <http://www.caig.com>. Lots of folks use their
> products, including Tektronix, who used to have lots of switches in their
> products. (Sigh.)
>

> I think the active ingredient is palm oil. (The magic ingredient of
> Crisco.) Ingredients aren't listed on the MSDS sheets.
>
> > -----Original Message-----
> > From: Jim Berry [mailto:basalop@gte.net]
> > Sent: Wednesday, January 02, 2002 2:42 PM
> > To: Old Tube Radios
> > Subject: RE: Cleaning wafer switches
> >
> > Craig Industries has a
> > whole line of switch cleaners, and lubes, that are used now in place
> > of the lanolin. They do have a website.
> >
>

--
Norm Flasch
ECE Teaching Labs Manager
Northwestern University
Evanston, Illinois
847-467-4387

Message-ID: <3C338D78.9DDA944@erols.com>
Date: Wed, 02 Jan 2002 17:45:12 -0500
From: Bruce Muscolino <w6toy@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cleaning wafer switches
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim.

I have used Caig products and can attest to how good they are.

Carbon Tet has been banned in most places since the early 90's. It is just too environmentally dangerous.

I wonder about the use of lanolin. I believe that was intended for the switch rotors, not the electrical contacts. It seems to me that the grease would just gum them up further.

From: "Richard W. Solomon" <w1ksz@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Cleaning wafer switches
Date: Wed, 2 Jan 2002 18:00:05 -0500
Message-ID: <LOBBJFMMJJCIMDIAGBJLEELGGKAA.w1ksz@tiac.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Use De-0xit.

You would be surprised how technology has improved in the last 60 years !!

73, Dick, W1KSZ

-----Original Message-----

From: owner-boatanchors@theporch.com
[mailto:owner-boatanchors@theporch.com]On Behalf Of Jim Berry
Sent: Wednesday, January 02, 2002 2:42 PM
To: Old Tube Radios
Subject: RE: Cleaning wafer switches

I notice in all my WWII Navy radio manuals, that it states, if you do have to clean a switch, to relube it using lanolin. Now days, I would think you use something more modern. Craig Industries has a whole line of switch cleaners, and lubes, that are used now in place of the lanolin. They do have a website.

For a cleaner, they used to use carbon tetrachloride (SP) That stuff is a super cleaner, but I do not think you can get it anymore. It can really be rough on the user. It actually can cause all kinds of problems to us humans. It is quite dangerous actually, and probably eats up the new plastics also.

73 Jim K7SLI

> -----Original Message-----

> [mailto:owner-boatanchors@theporch.com]On Behalf Of John Gibson

>

> I was reading a 1939 Wireless World and came across a

> note

> said that if you ever clean a wafer switch with solvent,

> it is essential to relube the contacts or the silver

> plating will rapidly wear through and the switch will become noisy.

> He recommended lanolin. Perhaps there is a modern equivalent

lubricant.

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.311 / Virus Database: 172 - Release Date: 12/27/2001

End of BOATANCHORS Digest 3274
